

CLAIMS:

1. A wearable electromagnetic (EM) radiation transmitter/receiver comprises a front portion and a rear portion, wherein the front portion includes a transmission/reception section and is adapted to be worn outside a wearer's clothing, and wherein the rear portion includes a control section and is adapted to be worn inside at least part of the wearer's clothing, in which the front and rear portions are operable to communicate electrically with one another, and are physically connected to one another.

15 2. A wearable transmitter/receiver as claimed in claim 1, in which the front portion is secured to the rear portion.

3. A wearable transmitter/receiver as claimed in claim 1, in which the front portion includes a radio transmitter.

4. A wearable transmitter/receiver as claimed in claim 1, in which the control section of the rear portion controls the transmission/reception section.

5. A wearable transmitter/receiver as claimed in claim 1, in which the front portion includes image capture means.

6. A wearable transmitter/receiver as claimed in claim 5, in which the rear portion includes control means for the image capture means.

7. A wearable transmitter/receiver as claimed in claim 5, in which the rear portion also includes storage means for storage of captured images.

8. A wearable transmitter/receiver as claimed in claim 1, in which the front and rear portions are electrically connected by means of an electrically conducting connection pin.

9. A wearable transmitter/receiver as claimed in claim 8, in which the electrically conducting connection pin is arranged to extend through a wearer's clothing between the front and rear portions.

10. A wearable transmitter/receiver as claimed in claim 8, in which the electrically conducting connection pin projects from the rear portion to be received in a corresponding opening in the front portion.

11. A wearable transmitter/receiver as claimed in claim 8, in which the electrically conducting connection pin has multiple conduction paths.

12. A wearable transmitter/receiver as claimed in claim 8, which includes a plurality of electrically conducting connection pins arranged to connect the front and rear portions.

13. A wearable transmitter/receiver as claimed in claim 1, in which the front portion is disguised as a piece of jewellery, such as a brooch or badge.

14. A wearable transmitter/receiver as claimed in claim 1, in which the transmitter/receiver has a plurality of different front portions all being differently shaped to blend with, or be suitable with, a wearer's clothing and all being operable to be used with the same rear portion.

15. A wearable transmitter/receiver comprises a front portion and a rear portion, wherein the rear portion is a control section and the front portion is one of a plurality of interchangeable transmission/reception sections adapted to be secured to the rear portion and to communicate electrically therewith, wherein the front portion is disguised to suit a wearer's clothing.

16. A wearable transmitter/receiver as claimed in claim 15, in which the front portion is disguised to be less visible against clothing.

17. A wearable transmitter/receiver as claimed in claim 15, in which the front portion is disguised as a decorative feature.

18. A wearable electromagnetic (EM) radiation transmitter/receiver comprises a front portion and a rear portion, wherein the front portion includes a transmission/reception section and is adapted to be worn outside a wearer's clothing, and wherein the rear portion includes a control section and is adapted to be worn inside at least part of the wearer's clothing, in which the front and rear portions are operable to communicate electrically with one another, and are physically connected to one another, in which the front and rear

portions are electrically connected by means of an electrically conducting connection pin.

19. A wearable electromagnetic (EM) radiation
5 transmitter/receiver comprises a front portion and a rear portion, wherein the front portion includes a transmission/reception section and is adapted to be worn outside a wearer's clothing, and wherein the rear portion includes a control section and is adapted to be worn
10 inside at least part of the wearer's clothing, in which the front and rear portions are operable to communicate electrically with one another, in which the front portion is secured to the rear portion.

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